



Action on the Macpherson Front

On Monday (October 28) the Council of the Faculty of Arts and Science is expected to discuss proposed changes in the original plan prepared by Dean A. D. Allen's subcommittee on implementation of the Macpherson Report. The revisions have been worked out by the Dean on the basis of submissions from individual departments, the comments made by staff and students at three open meetings of the Council sitting as a committee of the whole, memoranda from individual students and staff members, and the advice of a new committee, numbering about fifty, and consisting of one staff member and one elected student from each department. As might be expected, Professor C. B. Macpherson, Chairman of the Presidential Advisory Committee on Undergraduate Instruction in the Faculty of Arts and Science, has been following developments with keen interest. This study of him was made when he spoke from the floor at a Hart House debate October 10.

Placement advisers turn down new plan to screen employers

The Advisory Committee on the Placement Service on Monday (October 21) rejected by 8 votes to 4 a proposal that "any organization desiring to use the facilities of the Placement Service shall be required to discuss its policies in relation to the war in Vietnam in a public meeting if a petition requesting such a discussion and signed by at least 500 students and faculty is filed with the Vice-President and Registrar. If the organization declines to participate, then the facilities of the Placement Service will be withheld from the organization."

This was Part One of a motion introduced by Professor Melville Watkins and seconded by Donald Kendall, then amplified to include the phrase "in relation to the war in Vietnam" by an amendment put forward by Professor Donald Evans.

The decision on Part One made irrelevant Part Two of the Watkins-Kendall motion: "After the discussion at a public

meeting, the facilities of the Placement Service shall be withheld from the organization if a petition to that effect signed by 2,000 students and faculty, no more than 500 being from any single faculty, is filed with the Vice-President and Registrar."

The open meeting was held in the International Students' Centre and attended by students and members of the faculty. Individuals in the audience took part in the discussion which went on for two hours and a half.

Thirteen of the 14 members of the committee were present including Miss Toni McNamara, External Affairs Commissioner of the Students' Administrative Council, the chairman. The others were five representatives of the SAC, four representatives of the Association of the Teaching Staff, the Dean of Applied Science and Engineering, the Vice-Provost, and two representatives of the U of T Alumni Association.

EXHIBITIONS

Exhibition of paintings by Vincent Thomas at Victoria College, Oct. 15 to Nov. 6, Monday to Friday.

The early history of printing from Gutenberg to the early seventeenth century. A collection of originals and facsimiles from The Centre for Reformation and Renaissance Studies. On display in the E. J. Pratt Library, Victoria University until Oct. 31.

Contemporary Canadian Art. Erindale College in collaboration with the Isaacs Gallery of Toronto. Oct. 21 to Nov. 7. Week-

days, 9 a.m. to 9 p.m. Saturdays, 10 a.m. to 5 p.m. Sundays, 2 p.m. to 5 p.m.

Gakki: Musical Instruments of Japan. A display of 17 Gakki and 12 photo-panels of musicians playing the instruments are in the Third Floor ROM until Nov. 10.

Kane and Catlin exhibition. Oil paintings by two well-known 19th-century artists who travelled westward across North America, recording life and customs of the Indians. Sigmund Samuel Canadiana Bldg. until Nov. 24.

Engineers seeking ideas on how to improve content and quality of courses

The Special Committee on Curriculum, Faculty of Applied Science and Engineering, invites the submission of briefs on the *quality and content* of undergraduate course programs from the students and staff of the Faculty. A memorandum signed by the committee chairman, Prof. D. J. L. Kennedy, and the secretary, Prof. S. D. T. Robertson, follows:

You are reminded that a task force is presently investigating the implementation of changes in the structure of undergraduate instruction, in accordance with recommendations already made to Council by this Committee. Your submissions therefore should not be related to the format of our programs.

The Committee seeks briefs which contain constructive criticisms and suggestions for change that can lead to positive action to improve the quality and content of courses and instruction. These briefs will form the basis of future recommendations of the Committee to Council.

Meetings will be arranged for open discussion of the briefs.

You may wish to consider such topics as the following:

(1) The method of presenting technical material via the media of lectures,

laboratories, tutorials and problem sessions.

(2) Desirability of repeated evaluation of courses.

(3) Electives.

(4) Non-technical content of course programs.

(5) Practical content of courses—engineering design.

(6) Theoretical content of courses.

(7) Instruction by other University departments.

(8) Total course weight including home study.

(9) Pre-Engineering program.

(10) Liaison between undergraduates and teaching staff.

(11) Other.

Briefs must be submitted to the Secretary of the Faculty of Applied Science and Engineering by Friday, November 8th, 1968, to be heard at the first meetings.

OCTOBER 31 DEADLINE

All material for the November 7 issue should be in the hands of the editor, Mrs. Winogene Ferguson, by noon on the 31st of October. Her address is Room 225, Simcoe Hall (928-2102).

STAFF NOTES

Arts and Science

PROF. N. P. BADENHUIZEN attended the annual Starch Round Table in Pennsylvania State College, Sept. 4-7, and presented a lecture on the present state of our knowledge of the structure of the starch granule. At the request of the South African Embassy in Ottawa, Prof. Badenhuizen gave two lectures on South African flora, Oct. 8 and 9. During this time he was a guest of the Embassy and he accompanied Mrs. Van der Walt, wife of His Excellency the South African ambassador, who presented a bouquet of South African flowers to Her Excellency Mrs. Roland Michener.

PROF. R. F. CAIN has been elected president of the Mycological Society of America for 1969-70. He attended the annual meeting at Columbus, Ohio, Aug. 31-Sept. 6.

Recent seminars in the Department of Physics have been given by PROF. B. BLEANEY, on "The Puzzle of Pionodermium"; and PROF. FRANK PRESS, on "Internal Constitution of the Earth".

PROF. A. W. BREWER attended the symposium of the International Ozone Commission which was held Sept. 2-6, in Monaco, and gave a presidential address based on the paper with A. W. WILSON, "The Regions of Formation of Atmospheric Ozone".

DR. CHIMONAS presented a paper on "Downward Movement of Ionization Into the D Region", at the Third Aeronomy Conference, "Meteorological and Chemical Factors in D-Region Aeronomy", held at Urbana, Illinois, Sept. 23-26.

PROF. F. S. GRANT presented a paper on "Uses of Power Spectra in the Interpretation of Aeromagnetic Maps" to the Society of Exploration Geophysicists at their Thirty-eighth annual meeting in Denver, Sept. 30-Oct. 3. On Oct. 3, Dr. Grant gave a colloquium on "Geophysical Interpretation of the Fourier Domain" at the National Bureau of Standards in Boulder, Col.

PROF. C. HINES gave the after-dinner speech, "After Dinner Speeches I have not Given", at the Third Aeronomy Conference held at Urbana, Sept. 23-26.

PROF. R. LIST was invited to attend the opening of the new McGill Radar Weather Observatory at the Macdonald College in Ste. Anne de Bellevue, Aug. 19, and attended meetings of the 13th Radar Meteorology Conference at McGill University in

Montreal on Aug. 20. On Aug. 26, Prof. List opened, in his capacity as conference chairman, the International Conference on Cloud Physics held in the McLennan Physical Laboratories which was attended by 330 scientists from 23 countries. This five day conference, the first of its kind on this continent, discussed 154 papers presented in 10 plenary sessions. The participants also visited the facilities of the cloud physics group in the McLennan Physical Laboratories. The conference was sponsored by the International Association for Meteorology and Atmospheric Physics of the International Union of Geodesy and Geophysics, the World Meteorological Organization, the American and Canadian Meteorological Societies and the N.R.C.

PROF. K. G. MCNEILL gave a talk on "Latent Effects of Thorotrast Myelograms" at the Cleveland Clinic and at Yale a talk on "Linac Research at Toronto".

PROF. MOFFAT was the Canadian delegate to the International Conference on a Survey of Contemporary Physics held, in June, in the new physics institute at Miramare, Trieste, Italy. There were about 250 delegates at the conference and all the major fields of the physical sciences were reviewed during a period of three weeks. In June he also visited CERN, Geneva, Switzerland, where he gave an invited seminar entitled "Form Factors, Vector Dominance and π -N Charge-Exchange Scattering". He attended the XIV International Conference on High Energy Physics, held in Vienna in August, and was a guest of Nordita, University of Copenhagen, during the second week in September, where he gave a colloquium entitled "Electromagnetic Form Factors".

DR. D. I. WARDLE attended the symposium of the International Ozone Commission which was held Sept. 2-6, in Monaco, and read papers on "Uncertainties in Atmospheric Ozone Absorption Coefficients" and "A New High Resolution Spectrophotometer for Ozone Measurements".

PROF. RICHARD M. BIRD presented a paper entitled "Income Redistribution, Economic Growth, and Tax Policy" at the Sixty-first Annual Conference on Taxation of The National Tax Association in San Francisco, Sept. 2-4.

(See page 4, col. 1)

COMING EVENTS

OCTOBER

25 FRIDAY

- Teach-In "The Race Against Extinction". Chairman, Gregory Baum. Speakers: Lamont Cole, "Our Man-made Environmental Crisis"; The Hon. Errol Barrow, "Population Problems in a Developing Nation"; George M. Carstairs, "Overpopulation and Mental Health". Varsity Arena. 8 p.m.
- Lectures Pontifical Institute of Mediaeval Studies. "Marsilius of Padua". Dorothea Sharp. Teefy B, St. Michael's College. 3 p.m.
- Banting and Best Department of Medical Research. "Limits of Resolution of Capacity in Zonal Rotors". Dr. Carl A. Price, Rutgers University. Room 114, C. H. Best Institute. 10 a.m. to noon.
- Banting and Best Department of Medical Research. "Separation of Cytoplasmic and Chloroplast Ribosomes from Euglena". Dr. Carl A. Price. Room 114, C. H. Best Institute. 2 to 4 p.m.
- Institute for the History and Philosophy of Science and Technology. "The Application of Mathematics in Late Medieval Mechanics". Prof. John Murdoch, Harvard University. Room 102 McLennan Physical Laboratories. 1.10 p.m.
- School of Graduate Studies and Department of Pharmacology. "Mechanism of Action of Guanethidine". Prof. John A. Oates, Department of Pharmacology, Vanderbilt University, Nashville, Tenn. Main Lecture Theatre, Toronto General Hospital. 10 a.m.
- School of Graduate Studies and Department of Political Economy. "A State-Preference Analysis of a Short Period General Equilibrium Model of Finance". Prof. John Green, Department of Political Economy. Room 3050, Sidney Smith Hall. 2 p.m.
- First of lecture series, "The Age of Revolution" to be given by eyewitnesses of significant contemporary events. Co-sponsored by Erindale College and Canadian Institute of International Affairs. Dr. E. H. Johnson, Overseas Secretary, Presbyterian Church in Canada, on "Biafra". Room 248, Erindale College, Mississauga Road North. 8 p.m.
- Theatre *The Changeling*, by Middleton and Rowley, directed by Leon Major. Oct. 21-26, 31, Nov. 1, 2, 4, 5, 6. Hart House Theatre. 8.30 p.m.

26 SATURDAY

- Teach-In "Seeing into the Present". Chairman: Frank Fidler. Speakers: Mrs. Aziza Hussein, "Status of Women and Family Planning in an Overpopulated Developing Country-Egypt"; Louis Dupré, "Catholics and Birth Control after *Humanae vitae*"; Miss June Callwood, "Birth Control and the Quality of Life"; Brewster Kneen, "The Imperialism of Population Control". Varsity Arena. 9.30 a.m.
- Film show on issues related to the main theme. Convocation Hall. 2 p.m. and 4 p.m.
- Seminar Centre for Medieval Studies. Three short papers will be offered for discussion: "Aspects of the Role of the Infinite in Late Medieval Science" by Prof. John Murdoch, chairman, History of Science Department, Harvard University; "Bradwardine's *Tractatus De Proportionibus* and its Successors: Late Medieval and Scholastic Influences on the Developing Science of Mechanics", by the Very Rev. William A. Wallace, Regent of Studies, Dominican House of Studies, Washington; "The Transition from Medieval to Renaissance Physics", Prof. S. Drake, U. of T. Registration fee of \$6 includes lunch and reception in Hart House. Payment and queries should be sent to the Centre for Medieval Studies, 39 Queen's Park Cresc. East. Telephone 928-2380.
- Athletics Football. Western at Varsity. Varsity Stadium. 2 p.m. Soccer and Rugby. Western at Varsity. Back Campus. 12 o'clock noon.

27 SUNDAY

- Service Vespers in Massey College Chapel. Music by Gibbons, Byrd, and Stanford. 5 p.m.
- Open House Visitors' Sunday, Hart House. 2 to 5 p.m. Tea 3 to 4.30 p.m.
- Music Hart House Sunday Evening Concert. Anton Kuerti, pianist and Peter Schenkman, cellist. Great Hall. 8.30 p.m. Tickets from Hall Porter.
- Scarborough Sinfonietta, with Adele Armin, violin. Conductor, Wilson Swift. Scarborough College. 3.45 p.m.
- Teach-In "Programming for Survival". Chairman: George Cadbury. Speakers: J. Mayone Stycos, "Public Opinion and the Control of Fertility in Latin America"; Colin Clark, "Economics and Population Growth"; George Borgstrom, "The Hungry Gap". Varsity Arena. 2 p.m.
- "A Dilemma for Affluents". Chairman: Donald C. MacDonald. Speakers: Ian McT. Cowan, "Ecology and Discretion"; Hugh Keenleyside, "Canada's Foreign Population Approach"; Thorsten Sjövall, "Planned parenthood: Background and Development in Sweden". Varsity Arena. 8 p.m.

28 MONDAY

- Music Organ Recital by Miss Gail Thompson. Convocation Hall. 5.05 p.m.
- Theatre *The Fan* by Goldoni, directed by Leon Major. Oct. 28, 29, 30 and Nov. 7, 8, 9, 11, 12, 13, 14, 15, 16. Hart House Theatre. 8.30 p.m.
- Lectures School of Graduate Studies and Graduate Department of Music. "The Present State of Bach Research". Dr. Friedrich Blume, Emeritus Professor of Musicology, University of Kiel. Room 116, Edward Johnson Building. 4.10 p.m.
- Academy of Medicine. The Phi Delta Epsilon Annual Lecture. "Oral Contraceptives—A Mass Experiment". Dr. Roy Hertz, Chief of Reproduction Research Branch, National Institute of Child and Health Development, Bethesda, Md. Osler Hall. 8.30 p.m.
- Meeting Faculty Club annual meeting. Snack Bar. 8 p.m.

29 TUESDAY

- Films Department of French, U.C. *Québec-U.S.A., or, The Quiet Invasion* and *Fred Barry, comédien*. Repeated Wednesday. Room 104, U.C. 1.10 p.m.

30 WEDNESDAY

- Meeting Special General Meeting of the Association of the Teaching Staff to discuss academic salaries. Cody Hall, School of Nursing. 8 p.m.
- Lecture First of a series of eight weekly public lectures on "Some Founders of Geology" by Dr. W. E. Swinton. "Abraham Gottlieb Werner (1750-1817)". Room 2117 Sidney Smith Hall. 4 p.m.
- Seminar School of Graduate Studies and Department of Astronomy. "The Third Integral of Motion and its Applications". Dr. A. F. Saaf, Goddard Institute of Space Studies, New York. David Dunlap Observatory. 4 p.m.

31 THURSDAY

- Lectures School of Graduate Studies and Graduate Department of Near Eastern Studies. "The Goddess Ishtar-Inanna". Prof. Thorkild Jacobsen, professor of Assyriology, Harvard University. Room 104, University College. 4.10 p.m.
- School of Graduate Studies and Department of Physics. "Why It Is Almost Impossible To Do a Stern-gerlach Experiment on Charged Particles". Prof. M. Bloom, Department of Physics, University of British Columbia. Room 102, McLennan Laboratories. 4.10 p.m.
- School of Graduate Studies and Department of English. "The Crimson Muse: Problems in Evaluation of Popular Literature". Dr. Louis James, senior lecturer in English, University of Kent, Canterbury, England. Upper Library, Massey College. 8 p.m.
- School of Graduate Studies and Graduate Department of Near Eastern Studies. "The System of Politico-Religious Ideas Reflected in the Prologue to the Laws of Hammurabi". Prof. Thorkild Jacobsen. Senior Common Room, Sir Daniel Wilson Residence. 8 p.m.
- School of Graduate Studies and Department of German. "An Interpretation of Selected Poems by Stefan George and His Circle". Prof. Manfred Durzak, University of Indiana. Room 315, Laidlaw Library, University College. 4 p.m.
- Collectors' Night Prized Possessions Collectors' Night at ROM. Art objects more than 100 years old brought to the ROM will be authenticated by prominent dealers and authorities for \$1 per item. The exhibition "Prized Possessions from Private Homes" will be open on Oct. 31, Nov. 14 and 28 until 10.30 p.m. Refreshments. Admission free.

NOVEMBER

1 FRIDAY

- Lectures School of Graduate Studies and Department of Chemistry. "Aspects of Nitrosamine Photoreaction". Professor Y. L. Chow, Simon Fraser University. Room 158, Lash Miller Building. 4 p.m.
- Department of Medicine. "The Role of Insulin in the Developing Rat Fetus". Dr. Charles Clarke, National Institute of Health, Bethesda, Md. 417 The Charles H. Best Institute. 10.30 a.m.
- Banting and Best Department of Medical Research. "Surface Properties and Permeability Characteristics of Phospholipids". Dr. P. D. Papahadjopoulos, Department of Biochemistry, State University of New York at Buffalo. 417 The Charles H. Best Institute. 2 p.m.
- Wine and Cheese Party at Graduate Students' Union. Faculty members and administrators are invited. Admission \$1. 4 to 7 p.m.
- Women's Field Hockey. Front Campus.

2 SATURDAY

- Athletics Football. McGill at Varsity. Varsity Stadium. 2 p.m.

3 SUNDAY

- Music Scarborough Orff Ensemble. Conductor, Keith Bissell. Scarborough College. 3.45 p.m.

4 MONDAY

- Music Organ Recital by Dr. Charles Peaker. Convocation Hall. 5.05 p.m.

Ph.D. Orals

All members of the Graduate Faculty have the right to attend Ph.D. oral examinations.

Friday, Oct. 25

E. B. De Windt, Department of Medieval Studies, "Holywell - Cum - Needingworth: Structures of Tenure and Patterns of Social Organization in an East-Midlands Village, 1250-1450". Room 201, 65 St. George Street. 10 a.m.

B. H. Bakker, Department of French, "Naturalisme Pas Mort—Lettres Inédites de Paul Alexis À Emile Zola (1871-1900)". Round Room, Massey College. 2 p.m.

T. T. Hirota, Department of Psychology, "Observing Behaviour in the Pigeon: Is Conflict Reduction a Possible Reinforcer?" Room 207, 65 St. George Street. 2 p.m.

P. E. Crunican, Department of History, "The Manitoba School Question in Canadian Federal Politics, 1890-1896: A Study in Church-State Relations". Room 207, 65 St. George Street. 4 p.m.

Monday, Oct. 28

J. Duffin, Department of Pharmacology, "The Respiratory Control System". Room 201, 65 St. George Street. 10 a.m.

D. H. Maylotte, Department of Chemistry, "Chemiluminescence Studies on Halogen Atom Reactions". Room 128, Lash Miller Building. 10 a.m.

M. F. Reidy, Department of Philosophy, "On the Scientific Character of Applied Mathematics in Aristotle". Round Room, Massey College. 10 a.m.

R. M. Roy, Department of Zoology, "Some Effects of Ionizing Radiation on *Vicia Faba*". Room 207, 65 St. George Street. 10 a.m.

E. G. Lewars, Department of Chemistry, "Rearrangement of a Dibenzocyclooctadiene Derivative to an Indeno-Isocoumarin and the Synthesis of a Dibenzocyclooctatetraenquinone". Room 201, 65 St. George Street. 1.30 p.m.

M. Laine, Department of English, "The Concept of Power in the Novels of Anthony Trollope". Room 207, 65 St. George Street. 2 p.m.

Tuesday, Oct. 29

S. D. Kung, Department of Botany, "Nucleic Acids from Chloroplasts of *Vicia Faba*". Room 207, 65 St. George Street. 9.30 a.m.

D. A. Blostein, Department of English, "The Comedy of John Marston, with a Critical Edition of *The Fawn*". Room 201, 65 St. George Street. 10 a.m.

S. A. Madigan, Department of Psychology, "Intraserial Repetition and Coding Processes in Free Recall". Room 521, Sidney Smith Hall. 10 a.m.

A. L. Acheson, Department of Political Economy, "Some Aspects of International Trade and Economic Growth". Room 207, 65 St. George Street. 1.30 p.m.

Wednesday, Oct. 30

A. Even, Department of Educational Theory, "Patterns of Academic Achievement in Grade 12 Chemistry and their Relationship to Personal, Attitudinal and Environmental Factors". Room 207, 65 St. George Street. 10 a.m.

D. S. Rubin, Department of English, "The Recusant Myth in Modern Fiction". Room 201, 65 St. George Street. 10 a.m.

A. E. Woodward, Jr., Department of Psychology, "A Search for the Stimulus in Serial Learning". Round Room, Massey College. 10 a.m.

L. E. Sexsmith, Department of Botany, "DNA Content and Karyotype of Amphibians". Round Room, Massey College. 2 p.m.

J. H. Corbett, Department of Classical Studies, "C. Flaminius and Roman Policy in North Italy". Room 207, 65 St. George Street. 4.30 p.m.

Thursday, Oct. 31

V. V. Kingsley, Department of Hygiene, "An Investigation into the Structure and Taxonomy of *Selenomonas*". Room 201, 65 St. George Street. 10 a.m.

B.-Z. Shek, Department of French, "*L'Ouvrier* and *L'Employé* as Major Characters in the French-Canadian Novel, 1944-1964". Room 207, 65 St. George Street. 10 a.m.

L. H. Gevaert, Department of Chemical Engineering, "14 MEV Neutron-Induced Fission and 25 MEV Photofission of 232-Th and 238-U". Room 207, 65 St. George Street. 1.30 p.m.

A. Walther, Department of Botany, "Aspects of Aging in Sunflower Leaves". Room 201, 65 St. George Street. 2 p.m.

Friday, Nov. 1

E. A. Kilcullen, Department of English, "George Eliot's Treatment of Marriage". Room 201, 65 St. George Street. 2 p.m.

Monday, Nov. 4

M. A. Fitzpatrick, Department of French, "Molière in French Canada". Room 207, 65 St. George Street. 10 a.m.

Canada Council grants \$449,169 for social sciences and humanities

Seventeen members of University of Toronto academic staff share in the latest allotment of Canada Council grants, totalling \$449,169, for research projects in the social sciences and humanities.

Prof. Edward L. Shorter, History, in association with Prof. Charles Tilly, Sociology, will receive \$16,650 for a study of industrial conflict in France from 1830 to 1960. Prof. Tilly also is listed among those receiving a grant of less than \$5,000 for a sociological research project.

Prof. Anthony K. Warder, East Asian Studies, has been granted \$13,500 for continued research on the preparation of a concordance to Buddhist scriptures. This is in addition to grants totalling \$22,000 made in the previous two years for earlier work on the project. Professor Warder also receives a grant of less than \$5,000 for work in Indian literature.

Others receiving grants of under \$5,000 and the subject of their study are: J. S. Barker, Political Economy, political science.

I. F. G. Baxter, Faculty of Law, law.
R. C. Beals, Sociology, sociology.
T. M. Brady, History, demography.
C. G. Clarke, Geography, geography.
Rex A. Lucas, Sociology, sociology.
Millar MacLure, Victoria, English literature.

Teaching Staff will meet to talk about salaries

A special general meeting of the membership of the University of Toronto Association of the Teaching Staff has been called for Wednesday, October 30, to discuss the matter of academic salaries. The meeting will be held at 8 p.m. in Cody Hall, School of Nursing, (Russell Street entrance).

Hartwig Mayer, Victoria, German.
J. K. McConica, St. Michael's, history.
G. L. Morris, Faculty of Law, law.
Dorothy Parker, Victoria, English literature.

Bernard Peschken, Scarborough, German literature.

A. E. Safarian, Political Economy, economics.

C. D. E. Tolton, Victoria, French literature.

K. N. Walker, Sociology, sociology.

Appointed & Promoted

Trinity College

GORDON A. B. WATSON has been appointed associate dean of Arts and Science, U of T. He continues as dean of Men at Trinity College and professor and head of the Department of Religious Studies.

ROGER L. CUMMINS has been appointed acting registrar. THE REV. M. T. NEWBY has been appointed student aid officer of the College and THE REV. ROBERT R. GRIFFITHS has been appointed chaplain of the College.

REV. BRUCE R. ALTON, appointed assistant professor of Religious Studies, has been for two years assistant professor in Philosophy at Lake Forest College in Illinois. He has also taught at Sir George Williams and Stanford Universities.

MRS. R. E. FANTHAM, appointed visiting assistant professor of Classics has taught at St. Andrew's University in Scotland and at the University of Indiana.

MRS. N. R. LINDHEIM, appointed assistant professor (part-time) of English has taught



A SPECIAL PREVIEW of the McLaughlin Planetarium, including demonstrations, will be given for Museum members and invited guests on Monday (October 28). The Planetarium will be open to the public Saturday of the same week.

at Cornell University and at the University of California.

DR. A. G. RIGG, appointed visiting associate professor (part-time) of English was a lecturer at Balliol and Merton Colleges in Oxford until 1966 and since then has been visiting assistant professor at Stanford University. He is attached to the Centre for Medieval Studies, U of T.

Food Sciences

MRS. I. L. ARMSTRONG has been appointed assistant dean of the Faculty.

MRS. M. S. LEITCH has been promoted to the rank of associate professor.

MRS. J. FRASER, MRS. A. GRYFE and MRS. D. P. HAWKS have been promoted to assistant professor.

O.I.S.E.

E. BROCK RIDEOUT was promoted to professor, effective last July 1.

F. MICHAEL CONNELLY was promoted to assistant professor in the Department of Curriculum on Sept. 1.

M. H. FLAHERTY was promoted to assistant professor in the Department of Adult Education on July 1.

R. S. MCLEAN, appointed assistant professor in the Department of Computer Applications on Sept. 1, also holds this position at York University. Mr. McLean is a doctoral candidate at Carnegie-Mellon University. He has research experience in Psychology at Carnegie-Mellon and in electrical engineering and employee relations in two large Ohio companies.

Mr. Frost writes to the *Globe and Mail* about the Board

The following letter from the Hon. Leslie M. Frost, who resigned from the Board of Governors October 1, was published in the *Globe and Mail* Tuesday (October 22):

In your Saturday, Oct. 19, Page 7 spread, your columnist mentions my resignation from the Board of Governors of the University of Toronto "yesterday". Just to avoid any misunderstanding, may I say that my resignation was accepted Oct. 1, which was coincidental with my appointment to the new board of the Royal Ontario Museum.

The reasons for the same are simple. They had nothing to do with the tenor of your article, and I do not think you so infer. I am the Chancellor of Trent University, which institution is demanding more and more of my time; a member of the University Affairs Committee; a Governor of Sir Sandford Fleming Community College.

One person can only do so much. Accordingly, I felt that it was common sense that on my appointment to the new Museum board, in which I have great interest and which serves all universities, that I should retire from the exacting and demanding duties of the board of the University of Toronto. Having said that I should like to comment on some other aspects.

I have served on the University of Toronto board for about seven years. Now that I have retired I should like to pay tribute to the painstaking and conscientious devotion of the members of that board in the aspects of the university's affairs which come under their purview. During that period Colonel Eric Phillips and Messrs. Henry Borden and O. D. Vaughan have been chairmen. They, with other members of the board, serving of course without the slightest remuneration, have given during their terms of office the majority of their waking hours to the university.

Other members have given unstintingly of their time to problems of finance, campus extension, student housing, vast building operations including bringing into operation a great new hospital, and a multitude of other administrative problems in a great university organization, which is about as complex as any in America.

Two of the members had spearheaded the raising of nearly \$20 million of private money, which has helped to spark the vast expansion of the university, making possible university education for thousands of our young people. They have given expert management to the very large university trusts and endowments. I feel I can now pay

tribute to the members of this board for their devotion which really has been beyond the call of public duty and obligation.

Standing out among the activities in which the board has engaged is the finding of the money for the financing of the plans and aspirations of the university's academic community. On this point there is much misunderstanding. Insofar as I am aware, the board has never dictated academic policy, nor has it interfered in curricula or in courses of study. That has been for the president, the Senate and the faculty.

The board has always given loyal support to those in charge of things academic. To the best of its ability it has made academic policy financially viable. This year the budget of the university will be something of the order of \$100 million, of which roughly about one-quarter is for new buildings and campus extension. Of this very large sum, more than 80 per cent comes from the pockets of the taxpayers of Ontario, little and big, from both our urban communities and concession lines.

The budget for the University of Toronto greatly exceeds the total budget of Ontario, for all purposes, when I became a member of the Legislature in 1937. Indeed, the present budget just about equals my first budget in Ontario for all the province's undertakings in 1944. This gives some idea of the magnitude of the operations of the University of Toronto complex.

The board has, with great efficiency, charted the financial course of the institution and its ramifications, a financial operation which is much larger than most great businesses in Ontario. It is little wonder that the chairman, from time to time, and many of the members of the board, have given most of their waking hours to the problems of the university. The word "tycoon" can be used in a derogatory sense. If, however, it means a person with experience and knowledge in business and industry, what is wrong with that?

Our taxpayers who are making very real sacrifices to insure that our young people have every opportunity, have the right to feel that their hard-earned dollars are well spent. As I look at the faces on your Page 7, and now that I am off the board, perhaps you will permit me to say that I do not feel that our embattled taxpayers could have other than the greatest of confidence in their ability to manage this very important facet of their affairs. We should not demean these men and one woman, who have been

doing a good job, and in so doing destroy confidence.

It is well to remember that there is such a thing as taxpayer unrest. In my own day I saw the cancellation of all university grants arising from such unrest. I do not for a moment say that such a thing would happen again. I only raise the point to underscore that the taxpayer has some rights and some powers. What happened in those days is very vivid in my memory because my old leader, George Drew, and myself spent much of our time in restoring the financial independence of our universities.

Another very important matter is, of course, private philanthropy, corporate and individual. I have already made some reference to this. I have served as honorary chairman in the appeals of two universities not connected with Toronto. I have agreed with some reluctance to serve in a third.

Frankly, it is my experience that there is a growing resistance in this field. I do not think it is being helped by some things that are being said and done. The board of the University of Toronto has done a monumental job in private philanthropy. I certainly do not think the cause will be helped by driving away able men and women whose only sin is that they have made a success of business and industry, upon which really our standard of living depends. Destroy confidence and we turn back the hands of the clock.

May I say a word about university government? With the growth of the number of Ontario universities and the vast additions to student population, no one in his right senses would say that we have reached perfection in this regard. Student unrest, which is a phenomenon of the Western World, has in other lands certainly stemmed in a very important way from the vast growth of student populations and the gap which has resulted between the faculty and student.

I have great sympathy for our own students who may feel frustrated and disillusioned. May I point out, however, that in Ontario the problem has been very much diluted by the expansion of our universities from three to 14? These 14 operate about 18 separate campuses. In the case of the University of Toronto, what might be termed as the "Queen's Park campus" has really been expanded into two. Then we have the development of the Scarborough and Erin-dale campuses with an accompanying expansion of staff and faculty in the university, which is very great. We now have in

Ontario these large numbers of smaller campuses, which should go a long way to meeting the problems which have manifested themselves in other countries.

Coming back to the question of government, with the Toronto board it certainly is not the question of built-in power or the perpetuation of the same. It is exactly the opposite. The board itself readily acquiesced to the proposal of the president that a council should be appointed to review the whole matter of university government. It immediately appointed two of the ablest members of the board with authority to review the matter with others to be appointed, with no holds barred. That the proposed president's council has gone by the boards is most certainly not the fault of the board of the University of Toronto.

It is a very great mistake to oversimplify the problems involved. As I have said, the University of Toronto is as complex an organization as perhaps there is in America. The Ontario College of Art and the University of Toronto, with all of its complexities, have very little similarity. This should be remembered in reading Dr. Douglas Wright's very able proposals concerning the former.

I have no doubt that solutions for Toronto's problems can be very readily found by people drawn from the various elements of that great institution, who are anxious to find solutions. If these elements are unwilling or unable to work together, then the obvious solution is a Royal Commission. I would prefer to see the university do it itself.

The best results come from drawing upon experience and a full survey and assessment of the area and problems which are to be governed. A very important part of this experience can come from the board itself. I would advise against selling these able people short. I can only say from experience that they are dedicated, conscientious, understanding people, who would be difficult to replace. Heaven knows that governments in Canada are in great need of the help and advice of such. In demeaning them and referring to them in derogatory terms, we are only hurting ourselves. Democratic government, if it is going to succeed, must be able to draw on the best brains and abilities and I can assure you that the members of the Toronto board are a fair cross-section of this element.

LESLIE FROST
Lindsay

STAFF NOTES

Applied Science and Engineering

DEAN J. M. HAM addressed the first meeting of the Toronto Section on Engineering Management of the Institute of Electrical and Electronic Engineers, speaking on "The Role of University-Industry Interaction in Canadian Economic Development".

PROF. D. G. ANDREWS attended the joint American Nuclear Society-Canadian Nuclear Association Annual Conference at Toronto in June. He was a member of the executive, student chairman, a session chairman and co-authored three papers. He was appointed to the Educational Development Committee of the ANS. During the same period Prof. Andrews was elected vice-president, Youth Science Foundation of Canada, and Ontario chairman, Institution of Mechanical Engineers.

PROF. M. E. CHARLES visited Ottawa in August to discuss the advancement of solids pipeline technology with members of the Canadian Transport Commission, the Department of Industry and the Department of Transport. He chaired two sessions at the "International Symposium on Research in Cocurrent Gas-Liquid Flow" held at the University of Waterloo in September and was co-author of the "Two-Phase Flow in Tubes with Internal Spiral Ribs" presented by G. D. ZARNETT at the symposium. PROF. D. G. ANDREWS also attended the symposium and took part in the discussions.

PROF. W. H. RAPSON presented six lectures on "The Bleaching of Chemical Pulps" at the Summer Institute for the Pulp and Paper Industry at the University of Maine, July 16.

PROF. K. T. AUST gave a talk on "Interfacial Studies in Metals" at the International Nickel Company Research Laboratory, Suffern, N.Y., on July 17. He also visited the General Electric Research and Development Center, Schenectady, July 3 to 5. Prof. Aust presented a seminar on "Impurity Segregation at Grain Boundaries" at the Aluminium Laboratories Limited, Kingston, Aug. 20, and on the same day gave one of the talks at a luncheon honouring Dr. JAMES CORBETT who was with the General Electric R & D Center and is now professor of physics at the State University of New York.

PROF. B. RAMASWAMI presented papers on "Stability of Plastic Flow" and "Migration of Vacancies and the Formation of Surface Vacancy Pits in Metals" at the 17th Annual Metal Physics Conference at Kingston, Aug. 28 to 30.

PROF. J. W. RUTTER was a member of the Conference Committee and served as Chairman of a Session on "Phase Transformations in Liquid-Solid Systems" at the 17th Annual Metal Physics Conference at Kingston, Aug. 28 to 30.

PROFS. L. M. PIDGEON, S. N. FLENGAS, H. U. ROSS and J. M. TOGURI attended the Conference of Metallurgists in Vancouver, Aug. 26 to 28, and presented papers. Prof. J. M. Toguri also chaired the session on "Kinetics in Process Metallurgy" and presented a paper on "The Solubility of Copper in Fayalite Type Slags".

Library Science

PROFS. WILLIAM J. KURMEY, KATHERINE H. PACKER and JOHN P. WILKINSON attended the Workshop on Improving Professional Performance sponsored by the Institute of Professional Librarians of Ontario at Geneva Park, Lake Couchiching, May 24-26.

PROF. BRIAN LAND attended the meetings of the General Council of the International Federation of Library Associations held in Frankfurt am Main, Germany, Aug. 18-25, as a member of the Canadian delegation.

PROFS. ISABEL K. MCLEAN and BRIAN LAND attended the annual conference of the Ontario Library Association held in Hamilton, Ont., May 13-14.

PROF. JOHN M. MARSHALL has been appointed chairman of the Steering Committee on Negotiation Rights for Professional Staffs. He has also been appointed chairman of the Sub-Committee on the Training of Library Technicians of the Education for Library Manpower Committee of the Canadian Library Association.

PROF. FLORENCE B. MURRAY has been appointed chairman of the History Section of the Reference Services Division of the American Library Association.

O.I.S.E.

DR. R. P. BHARGAVA attended the Institute of Mathematical Statistics' 31st Annual Meeting at the University of Wisconsin, on Aug. 26-30.

DR. VINCENT D'OYLEY attended the Ontario Headmasters' Council Meeting, Niagara Falls, regarding Ontario Tests for Admission to College and University on Aug. 19. Dr. D'Oyley also addressed the First Canadian Council of Teachers of English Conference,

Calgary, on the subject "Evaluation of English" on Aug. 23.

MISS NORETTA KOERTGE addressed the annual general meeting of the British Society for the History of Science in Leeds, England, July 4-6. Her topic was "Some Patterns of Argument in Stahl's Chemistry".

PROF. E. BROCK RIDEOUT addressed the Manitoba Teachers' Society's Seminar on Metropolitan Reorganization on the subject "Problems of School Administration and Finance in Metropolitan Areas". He also addressed the annual conference of the Ontario Urban and Rural School Trustees Association, Niagara Falls, on "The Ramifications of the Smith Committee Report with Respect to Education".

DR. W. R. WEES was presented with honorary life membership in the Canadian Education Association at the CEA Convention held Sept. 18-20 at the Royal York Hotel, Toronto.

Graduate Studies

PROF. EDWARD F. SHEFFIELD acted as chairman of a seminar on Training Programs in the Social Services at the Post-Secondary Non-University Level, held in Ottawa, Oct. 11-12, under the sponsorship of the Continuing Committee on Social Work Education.

Pharmacy

PROF. G. R. PATERSON attended the Twenty-Second General Assembly of the Federation Internationale Pharmaceutique and the Twenty-eighth Congress of Pharmaceutical Sciences at Hamburg, Germany, Sept. 1-7. He served as a member of the delegation of the Pan American Federation of Pharmacy and Biochemistry there. He gave a paper, "Alkaloids—their Discovery and Its Significance", to the British Society for the History of Pharmacy, meeting with the British Pharmaceutical Conference at Birmingham, England, Sept. 10, and spoke to the Hamilton Pharmacists' Association, Sept. 30, on "The Niagara Apothecary Project".

Social Work

PROF. S. J. ALBERT was appointed youth consultant to the Social Planning Council of Metropolitan Toronto.

DR. B. W. LAPPIN addressed the Conference of Settlement Houses in Toronto on Sept. 26 at University Settlement on the topic, "Neighbourhood Development: Opportunity and Challenge for Toronto's Settlement Houses".

DR. JOSEPH E. LAYCOCK was elected president of the Ontario Association of Professional Social Workers for 1968-1970. He was also appointed chairman of the Committee to Establish Membership Criteria for the Canadian Association for Education in the Social Services.

DR. ALBERT ROSE addressed a conference on Regional Government at Oshawa, May 25, on "Levels of Service in Regional Government". He presented a Brief to the Federal Task Force on Housing and Urban Development during hearings held in Toronto on Sept. 30, and attended a meeting of the Curriculum Committee of the Council on Social Work Education, New York City, Oct. 10-11.

DR. B. Z. SHAPIRO was appointed consultant to the Staff Development Program of the Protection Department, Catholic Children's Aid Society of Metropolitan Toronto for 1968-69, and advisory member, Board of Directors of the Social Planning Council of Metropolitan Toronto, representing the Toronto Branch of OAPSW.

PROF. W. A. HERINGTON is currently serving as Social Work consultant to the Ontario Crippled Children's Centre.

DR. RITA LINDENFIELD has been re-elected to the National Board of Canadian Association of Social Workers. She was also re-elected to the executive of the Board and was re-appointed by the Board to serve as national chairman of the Committee on Professional Competence.

Nursing

PROF. H. M. CARPENTER and PROF. B. DUNCANSON attended the C.N.A. Biennial Meeting in Saskatoon on July 4-6. Prof. Duncanson was a voting delegate.

PROF. D. RIDDELL served from April to August this year as a short-term consultant in Nursing, under the auspices of the World Health Organization, for the Government of Lebanon.

PROF. D. M. BURWELL participated in a conference to celebrate the 25th Anniversary of the Department of Psychiatry at McGill University, Oct. 1-4. She will chair a panel discussion on the topic "Explorations of the Nurse-Patient Encounter". She attended the week-long annual workshop of the R.N.A.O. at Honey Harbour, Sept. 22 to 28 as a trainer.

PROF. M. DOLPHIN will participate in a

Workshop program for the CNA/CHA Extension Course in Nursing Unit Administration on Sept. 17, discussing the topic "Influence of Social Change on Head Nurse Functions".

Royal Ontario Museum

PETER SWANN visited many museums in Germany during August as a guest of the West German government.

MRS. H. R. DOWNIE took part in the Eighth General Conference of the International Council of Museums in Munich and Cologne and its subsequent tour of Museums in West and East Berlin and Czechoslovakia July 29-Aug. 16. She attended as a member of the Canadian National Committee of ICOM.

MISS E. FEELY attended the Canadian Library Association annual conference at Alberta's Jasper Park Lodge June 9-14.

DR. H. C. KING participated in a summer course organized in New York by the American Museum-Hayden Planetarium and the National Science Foundation, July 15-19. He gave two lectures on applied optics and the history of the telescope, and conducted four seminars.

DR. WALTER M. TOVELL was an instructor, July 1-15, at an In-Service Training Course for elementary school teachers at Kenora. It was sponsored by the Ontario Department of Education. Aug. 4-10, Dr. Tovell instructed at a College of Education Outdoor Education Seminar at the Albion Hills Conservation School, operated by the Metropolitan Toronto and Region Conservation Authority. He also was a special instructor at the Girl Guides of Canada National Outdoor Workshop, held at the Albion Hills school Aug. 26-29.

DR. J. H. MCANDREWS delivered a paper on "Fossil Evidence for Boreal Forest South of the Great Lakes" at a symposium sponsored by the Botanical Association of Canada June 12. The symposium was held at Lakehead University.

DR. J. C. BARLOW spoke on "The Behaviour of Vireos" at the American Ornithologists' Union meeting in Fairbanks, Alaska, June 18-24.

DR. V. B. MEEN attended the International Symposium on Meteorite Research in Vienna in August. Later he was at the International Geological Congress in Prague which was cut short by the Russian occupation of Czechoslovakia. MRS. M. L. SCHEFFEL visited the County Museum in Truro, Cornwall, and the Museum of Natural History in Vienna.

DR. G. B. WIGGINS and T. YAMAMOTO conducted an extensive field expedition in the Western United States during the summer. It was the last in a series of such expeditions supported by Dr. Wiggins' National Science Foundation grant. Dr. Wiggins also attended the International Congress of Entomology in Moscow in August. At the Congress he presented a paper outlining results of certain of his studies on the Trichoptera. Later he spent a week travelling in Romania as a guest of the Romanian Academy (Biological Sciences).

DR. H. C. KING attended the inauguration ceremonies for the Strassenburgh Planetarium in Rochester, N.Y., Sept. 13-14.

DR. GARTH TAYLOR gathered ethnographic data concerning the Labrador Eskimos at Fort Chimo, Nain, Hopedale, Makkovik and Northwest River, May 14-June 24, under the sponsorship of the National Museum of Canada. At the Congress of Americanists in Stuttgart, Dr. Taylor read a paper on "Structure of Early Contact Labrador Eskimo Social Units".

T. CLARKE attended the 127th meeting of the American Astronomical Society at the University of Victoria Aug. 20-23. He also visited the MacMillan Planetarium, Vancouver, and the Manitoba Planetarium, Winnipeg, for consultations.

DR. R. I. CAIT spoke to a gathering of rock and mineral clubs at The Cold Creek, Ont. Conservation area Aug. 24 on "Mining in South Africa". On Aug. 8 and 9 he attended the Bancroft "Gemboree".

DR. J. A. MANDARINO, Curator, spent several weeks in July and August in Denmark and Norway collecting mineral specimens for the ROM and arranging exchanges of material with institutions in those countries.

DR. GORDON EDMUND led a field crew of 13 in ten weeks of work in western Canada during the summer. The party included graduate, undergraduate and high school students. They collected well-preserved bones of brontotheres, rhinoceros, giant pigs and dinosaurs.

Medieval Studies

PROF. JOSEPH OWENS is visiting professor of philosophy at Purdue University during the fall semester.

PROFS. JOSEPH OWENS and ARMAND A. MAURER attended the Fourteenth International Congress of Philosophy held Sept. 2-9 in Vienna. Prof. Owens presided over the Aristotle section and delivered the introductory address entitled "Nature and Morals in Aristotle".

Aerospace Studies

DR. R. M. MEASURES attended a conference on Plasma Diagnostics at the Culham Laboratory, England, Aug. 19-22, where he presented a paper titled "Selective Excitation Spectroscopy—A Scheme for Determining the local Value of the Electron Temperature".

DR. R. C. TENNYSON presented a paper titled "The Effects of Unreinforced Circular Cutouts on the Buckling of Circular Cylindrical Shells under Axial Compression" at the Annual Aviation and Space Conference of the American Society of Mechanical Engineers in Los Angeles on June 18. On June 19, he visited the Firestone Flight Sciences Laboratory at the California Institute of Technology to discuss mutual interests in both solid and structural mechanics. Dr. Tennyson also attended the annual Society of Photo-Optical Engineers' Symposium in Washington, Aug. 19-23, during which time he presented a paper titled "Application of High Speed Photography to the Photoelastic Analysis of Structural Stability Problems".

DR. S. J. TOWNSEND attended the 29th Semi-Annual Meeting of the Supersonic Tunnel Association, Naval Ordnance Laboratory, White Oak, Maryland and presented a paper, "The UTIAS Blowdown Magneto-gasdynamics Power Generation Facility".

DR. H. S. RIBNER attended the Sixth International Congress on Acoustics in Kyoto, Japan, sponsored by the Acoustical Society of Japan, Sept. 18-20.

Russian and East European Studies

PROF. H. GORDON SKILLING attended a 7-week workshop on comparative communism held under the auspices of the American Council of Learned Societies at the Centre for Advanced Study in Behavioural Sciences in Palo Alto, California. The workshop was attended by scholars from the United States, Canada and Germany, specializing on communism in the Soviet Union, Eastern Europe and Asia. Its purpose was to prepare a volume on the subject of comparative communism. Prof. Skilling also attended a round table of the International Political Science Association in Salzburg, Austria, Sept. 16-20. Prof. Skilling was granted a Killam Award by the Canada Council for research on Czechoslovak politics during his leave of absence this year.

The Summer Russian Workshop, under the directorship of S. V. KONONOFF, was held at Victoria College and St. Michael's College this summer. Seventy students attended with a larger number from Canada, while the interest of American students continued. The workshop offered a three year program designed to provide a well balanced knowledge of the Russian language. In addition, the following courses were offered: a refresher course for scholars; a reading course in the humanities and social sciences; a reading course in literature and criticism; scientific Russian; and a special course for the participants in our exchange program with the USSR. Social events, films, special lectures, a bus tour to Lake Simcoe, a day at Stratford and a students' concert were part of a program of extra-curricular activities. The workshop ended successfully with a students' banquet.

Computer Science

PROF. C. C. GOTLIEB attended the ACM National Conference at Los Vegas, August 25-29, and participated in the meetings of the ACM Editorial Board and Council.

TEACHING HOSPITALS

Clarke Institute

MRS. KAREN WALKER has been appointed assistant director of nursing education. A graduate of the Victoria Hospital School of Nursing, she holds a diploma in psychiatric nursing from the Allan Memorial Hospital and a Bachelor of Science in Nursing Education from University of Western Ontario.

Sunnybrook Hospital

The new Medical and Coronary Intensive Care Unit will be opened in mid-December. Head of the unit will be Dr. A. W. CHISHOLM.

Toronto General Hospital

DR. F. B. FALLIS, in charge of the General Practice Clinic of the hospital, has just left on a six-month travelling fellowship, made possible by the Government of Ontario and the University. First, he will go to the U.S.S.R. as a member of a cultural exchange mission, and then plans to attend a meeting of the International Association of General Practice in New Delhi, Nov. 25-28. He will spend the remainder of the time studying various approaches to primary medical care and watching clinical units in action in different countries.